



Part Number : [2039200805](#)
Product Description : Impulse 90 Ohm 4-Pair
Vertical Header, 2.00mm Pitch, Unguided, 8 Columns,
32 Differential Pair
Series Number : 203920
Status : Active
Product Category : Backplane Connectors



Documents and Resources

Drawings

- [2039200805_sd.pdf](#)
- [2002140015-000.pdf](#)
- [2039200000-PK-000.pdf](#)

3D Models and Design Files

- [STEP AP242](#)
- [SOLIDWORKS](#)
- [Creo](#)
- [Symbol and Footprint \(Multi-Format\)](#)
- [2002140015-000.zip](#)

Specifications

- [1735109996-AS-000.pdf](#)
- [1735109997-AS-000.pdf](#)
- [1735109998-AS-000.pdf](#)
- [1735109999-AS-000.pdf](#)
- [1735109000-PS-000.pdf](#)

Tooling Specifications

- [2002140015-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	

	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Backplane Connectors
Series	203920
Description	Impulse 90 Ohm 4-Pair Vertical Header, 2.00mm Pitch, Unguided, 8 Columns, 32 Differential Pair
Application	Backplane
Component Type	PCB Header
Product Name	Impulse
UPC	193264121298

Agency

UL	E29179
----	--------

Electrical

Current - Maximum per Contact	0.75A
Data Rate	112 Gbps (PAM-4)
Impedance	90Ω
Shielded	Yes
Shield Type	Full Shield
Voltage - Maximum	150V AC (RMS)/DC

Physical

Circuits (Loaded)	64
Circuits (maximum)	64
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	No
Keying to Mating Part	No
Material - Metal	High Performance Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	6.311/g
Number of Columns	8
Number of Pairs	4
Number of Rows	8
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.00mm
PC Tail Length	1.30mm
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.762μm
Temperature Range - Operating	-55° to +85°C

Termination Interface Style	Through Hole - Compliant Pin
-----------------------------	------------------------------

Mates With / Use With

Mates with Part(s)

Description	Part Number
Impulse 90 Ohm 4-Pair Orthogonal Daughtercard, 2.00mm Pitch, Unguided, 8 Columns, 32 Differential Pair	<u>1735407008</u>

Application Tooling

This document was generated on May 04, 2026